Location Date/Time Deaths & Property & Event Type and Details Injuries Crop Dmg

### **ILLINOIS**, South

(IL-Z075) JEFFERSON, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z084) JACKSON, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC

11/04/11 22:00 CST 0 Dense Fog

11/05/11 10:00 CST 0

Widespread dense fog reduced visibility to one-quarter mile or less, except over the Wabash Valley region. The dense fog occurred on the back side of a surface high pressure center as it retreated across the upper Ohio Valley.

(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z084) JACKSON, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC

11/11/11 00:00 CST 0 Frost/Freeze

11/11/11 08:00 CST 0

The first freeze of the season brought the growing season to an end. High pressure moved east across the Mississippi Valley, accompanied by clear skies and light winds.

(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z084) JACKSON, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC

11/13/11 04:00 CST 26K Strong Wind (MAX 49 kt)

11/13/11 16:00 CST 0

The pressure gradient between lower pressures in the central Plains and high pressure in the southeast U.S. resulted in strong southwest winds. The peak wind gust was 56 mph, measured at the Carbondale airport. Most peak wind gusts at other observing sites in southern Illinois were from 45 to 51 mph. The strong winds contributed to the spread of a brush fire in Giant City State Park in Makanda, which is near Carbondale. About three acres burned in the fire, which was started by a downed power line. The wind also brought down a few tree limbs and power lines in various counties, including Hamilton, Franklin, and Williamson. In Williamson County, one lane of Illinois Route 13 was blocked for a short time, and there were a few scattered power outages.

PULASKI COUNTY --- 0.6 W PULASKI [37.22, -89.21], 1.0 N ULLIN [37.28, -89.18]

 11/14/11 17:25 CST
 15K
 Thunderstorm Wind (EG 56 kt)

 11/14/11 17:25 CST
 0
 Source: Emergency Manager

A couple of trees were blown down on U.S. Highway 51, north of Pulaski and north of Ullin. Metal sheeting from a grain bin was blown onto railroad tracks at Pulaski.

JOHNSON COUNTY --- 2.6 NW CROSSROADS [37.38, -88.85]

11/14/11 17:55 CST 0 Hail (1.00 in)

11/14/11 17:55 CST 0 Source: Broadcast Media

Quarter-sized hail occurred along Interstate 24 near mile marker 22.

Thunderstorms gradually increased in coverage and intensity during the afternoon along a weakly convergent cold front moving through the area. The warm sector air mass was characterized by temperatures in the mid to upper 70's, dew points in the lower 60's, and mixed-layer cape values of 1000 to 1500 j/kg. Very strong deep layer wind shear promoted organized storm structures. A bowing line segment moved rapidly east across the Mississippi River, then produced isolated wind damage in the southern tip of Illinois.

JOHNSON COUNTY --- 0.5 E VIENNA [37.42, -88.89], SIMPSON [37.47, -88.75]

11/20/11 23:29 CST 50K Hail (1.75 in)

11/20/11 23:43 CST 0 Source: Trained Spotter

Nickel to quarter-size hail occurred in Vienna, especially on the east side of town. The hail swath continued northeast to the Pope County line near Simpson, where golf-ball size hail was reported. Thousands of dollars in damage occurred to vehicles in Johnson County, according to several residents. Numerous vehicles were damaged from the Vienna area north and east along the track of the hailstorm.

POPE COUNTY --- EDDYVILLE [37.50, -88.58]

11/20/11 23:55 CST 0 Hail (0.75 in) 11/20/11 23:55 CST 0 Source: Public

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
POPE COUNTY 2.0 N EDDYVILLE	[37.53, -88.58]			
	11/20/11 23:59 CST		0	Hail (1.75 in)
	11/20/11 23:59 CST		0	Source: Public
swath of large hail occurred in the I	Eddyville area. The swath of largest hail pa	assed a couple of	miles to the north of	of the community.
<del>-</del>	ail developed on the north side of a stro elevated above a shallow layer of cool a	=		estern Kentucky into
IL-Z078) WABASH, (IL-Z083) WHITE	E, (IL-Z087) GALLATIN, (IL-Z090) POPE, (	(IL-Z091) HARDIN	, (IL-Z092) ALEXAI	NDER, (IL-Z093) PULASKI, (IL-Z094)
nada.	11/24/11 20:00 CST		0	Dense Fog
	11/25/11 04:00 CST		0	
ALLATIN COUNTY SHAWNEET HAWNEETOWN [37.71, -88.13]	OWN [37.70, -88.13], 3.0 ENE SHAWNEE	TOWN [37.72, -88	_	- · · · · · · · · · · · · · · · · · · ·
SHAWNEE TOWN [37.71, -00.13]	11/28/11 09:00 CST		0	Flood (due to Heavy Rain)
	11/30/11 23:59 CST		0	Source: River/Stream Gage
RANKLIN COUNTY 1.4 SE ZEIG 87.89, -89.02]	LER [37.89, -89.03], 0.5 NW ZEIGLER JC	T [37.93, -89.03],	0 0	Flood (due to Heavy Rain)
	11/30/11 23:59 CST		U	Source: River/Stream Gage
At the Plumfield river gage, the Big M	uddy River rose above flood stage on the	30th. Minor floodi	ng of low-lying field	ds occurred.
inches for the month of November,	y heavy rainfall to the region during the s which was the third highest total on reco November. A couple of rivers in southe	ord for November	. The monthly tota	ıl at Evansville, IN was 8.32
(IL-Z089) JOHNSON, (IL-Z090) POPE	E, (IL-Z093) PULASKI, (IL-Z094) MASSAC	;		
	11/29/11 05:45 CST		0	Winter Weather
	11/29/11 11:45 CST		0	

# INDIANA, Southwest

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER

11/11/11 00:00 CST 0 Frost/Freeze 0

11/11/11 08:00 CST

The first freeze of the season brought the growing season to an end. High pressure moved east across the Mississippi Valley, accompanied by clear skies and light winds.

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	11/13/11 04:00 CST	,	6K	Strong Wind (MAX 41 kt)
	11/13/11 16:00 CST		0	,
	pressures in the central Plains and hi t was 47 mph, measured at the Evansv		e southeast U.S. re	esulted in strong
ANDERBURGH COUNTY 2.0 S AF	RMSTRONG [38.09, -87.65], (EVV)DRES	SS ARPT EVAN (3	8.0387.531	
	11/14/11 18:05 CST		20K	Thunderstorm Wind (MG 54 kt)
	11/14/11 18:13 CST		0	Source: ASOS
wind gust to 62 mph was measured be netal roof on a fire station was peeled	by the automated observing system at the back.	he Evansville airpo	rt. Just south of Ar	mstrong, a 75-by-4 foot section of a
<u> </u>	n coverage and intensity during the at	<del>-</del>		<del>-</del>
<del>-</del>	r mass was characterized by temperat			
	to 1500 j/kg. Very strong deep layer w ash River, then produced isolated dar	=	=	_
/ANDEDRUBGH COUNTY 4.0 WEY	V BELKNAP [37.98, -87.70], EVANSVIL	I E [27 00 07 55]		
7.11.011.011.011.11.11.11.11.11.11.11.11.	11/21/11 00:30 CST	[01.90, -01.95]	0	Hail (0.75 in)
	11/21/11 00:34 CST		0	Source: Trained Spotter
swath of dime-size hail occurred fron	n the Posey County line eastward into E	vansville.		
			t autandad fram	ootorn Kontuoku into
<del>-</del>	il developed on the north side of a stro levated above a shallow layer of cool	=		estern Kentucky Into
The Tagge Cologon (the Tagge Blace (the				
IN-2081) GIBSON. (IN-2082) PIKE. (IN	I-Z085) POSEY. (IN-Z086) VANDERBUI	RGH. (IN-Z087) WA	ARRICK. (IN-Z088)	SPENCER
IN-2081) GIBSON, (IN-2082) PIKE, (IN	I- <b>Z085) POSEY, (IN-Z086) VANDERBUI</b> 11/24/11 21:00 CST	RGH, (IN-Z087) WA	<b>ARRICK, (IN-Z088)</b> 0	SPENCER Dense Fog
Dense fog reduced visibility to one-q	11/24/11 21:00 CST 11/25/11 04:00 CST uarter mile or less across much of sou	uthwest Indiana. T	0 0 <b>he fog formed sho</b>	Dense Fog ortly after sunset,
Dense fog reduced visibility to one-q mmediately after skies cleared out. T fog. WARRICK COUNTY 0.7 S NEWBUF	11/24/11 21:00 CST 11/25/11 04:00 CST uarter mile or less across much of sou the combination of clear skies and ligh	uthwest Indiana. T nt winds promoted	0 0 he fog formed sho the rapid develop	Dense Fog ortly after sunset,
Dense fog reduced visibility to one-q mmediately after skies cleared out. T og. WARRICK COUNTY 0.7 S NEWBUF	11/24/11 21:00 CST 11/25/11 04:00 CST uarter mile or less across much of sou the combination of clear skies and ligh	uthwest Indiana. T nt winds promoted	0 0 he fog formed sho the rapid develop	Dense Fog ortly after sunset, oment of shallow dense
Dense fog reduced visibility to one-q mmediately after skies cleared out. T fog. WARRICK COUNTY 0.7 S NEWBUF	11/24/11 21:00 CST 11/25/11 04:00 CST uarter mile or less across much of sou the combination of clear skies and light RGH [37.94, -87.42], 2.1 ESE NEWBURG	uthwest Indiana. T nt winds promoted	0 0 he fog formed sho d the rapid develop 2.1 ESE NEWBUR	Dense Fog  portly after sunset, poment of shallow dense  RGH [37.94, -87.38], 0.5 SE NEWBURGH
Dense fog reduced visibility to one-q mmediately after skies cleared out. T fog. WARRICK COUNTY 0.7 S NEWBUF 37.94, -87.41]	11/24/11 21:00 CST 11/25/11 04:00 CST uarter mile or less across much of sou the combination of clear skies and light RGH [37.94, -87.42], 2.1 ESE NEWBURG	uthwest Indiana. T nt winds promoted GH [37.93, -87.39],	0 0 he fog formed sho d the rapid develop 2.1 ESE NEWBUR 0 0	Dense Fog  Ortly after sunset, pment of shallow dense  RGH [37.94, -87.38], 0.5 SE NEWBURGH  Flood (due to Heavy Rain) Source: River/Stream Gage
Dense fog reduced visibility to one-quimmediately after skies cleared out. T fog.  WARRICK COUNTY 0.7 S NEWBUF [37.94, -87.41]  At the Newburgh river gage, the Ohio F	11/24/11 21:00 CST 11/25/11 04:00 CST uarter mile or less across much of sou the combination of clear skies and light RGH [37.94, -87.42], 2.1 ESE NEWBURG 11/27/11 11:00 CST 11/30/11 23:59 CST	uthwest Indiana. T nt winds promoted GH [37.93, -87.39], n. Minor flooding of	0 0 he fog formed shot the rapid develop  2.1 ESE NEWBUF 0 0 1 low-lying fields an	Dense Fog  ortly after sunset, pment of shallow dense  RGH [37.94, -87.38], 0.5 SE NEWBURGH  Flood (due to Heavy Rain) Source: River/Stream Gage  d woodlands occurred.
Dense fog reduced visibility to one-quemediately after skies cleared out. Tog.  WARRICK COUNTY 0.7 S NEWBUF 37.94, -87.41]  At the Newburgh river gage, the Ohio F	11/24/11 21:00 CST 11/25/11 04:00 CST uarter mile or less across much of sou the combination of clear skies and light RGH [37.94, -87.42], 2.1 ESE NEWBURG 11/27/11 11:00 CST 11/30/11 23:59 CST River rose above flood stage on the 27th	uthwest Indiana. T nt winds promoted GH [37.93, -87.39], n. Minor flooding of	0 0 he fog formed shot the rapid develop  2.1 ESE NEWBUF 0 0 1 low-lying fields an	Dense Fog  Ortly after sunset, pment of shallow dense  RGH [37.94, -87.38], 0.5 SE NEWBURGH  Flood (due to Heavy Rain) Source: River/Stream Gage  d woodlands occurred.  DN [37.93, -87.91], 0.4 S MT VERNON
Dense fog reduced visibility to one-quemediately after skies cleared out. Tog.  WARRICK COUNTY 0.7 S NEWBUF 37.94, -87.41]  At the Newburgh river gage, the Ohio F	11/24/11 21:00 CST 11/25/11 04:00 CST  uarter mile or less across much of sou he combination of clear skies and light  RGH [37.94, -87.42], 2.1 ESE NEWBURG  11/27/11 11:00 CST 11/30/11 23:59 CST  River rose above flood stage on the 27th	uthwest Indiana. T nt winds promoted GH [37.93, -87.39], n. Minor flooding of	0 0 he fog formed shot the rapid develop  2.1 ESE NEWBUF 0 0 1 low-lying fields an	Dense Fog  ortly after sunset, pment of shallow dense  RGH [37.94, -87.38], 0.5 SE NEWBURGH  Flood (due to Heavy Rain) Source: River/Stream Gage  d woodlands occurred.
Dense fog reduced visibility to one-quimmediately after skies cleared out. T fog.  WARRICK COUNTY 0.7 S NEWBUF [37.94, -87.41]  At the Newburgh river gage, the Ohio F POSEY COUNTY 1.0 SSW MT VERI [37.92, -87.90]	11/24/11 21:00 CST 11/25/11 04:00 CST uarter mile or less across much of sou the combination of clear skies and light RGH [37.94, -87.42], 2.1 ESE NEWBURG 11/27/11 11:00 CST 11/30/11 23:59 CST River rose above flood stage on the 27th NON [37.92, -87.91], 1.1 SW MT VERNO 11/28/11 12:00 CST	uthwest Indiana. The winds promoted GH [37.93, -87.39], in. Minor flooding of CN [37.92, -87.91],	0 0 he fog formed shot the rapid develop  2.1 ESE NEWBUF 0 0 0 Flow-lying fields an  0.5 SW MT VERNO 0 0	Dense Fog  ortly after sunset, pment of shallow dense  RGH [37.94, -87.38], 0.5 SE NEWBURGH  Flood (due to Heavy Rain) Source: River/Stream Gage  d woodlands occurred.  DN [37.93, -87.91], 0.4 S MT VERNON  Flood (due to Heavy Rain) Source: River/Stream Gage
Dense fog reduced visibility to one-question of the Newburgh river gage, the Ohio FPOSEY COUNTY 1.0 SSW MT VERIGATION OF THE MOUNTY 1.0 SSW MT VERIGATION OF T	11/24/11 21:00 CST 11/25/11 04:00 CST uarter mile or less across much of southe combination of clear skies and light RGH [37.94, -87.42], 2.1 ESE NEWBURG 11/27/11 11:00 CST 11/30/11 23:59 CST River rose above flood stage on the 27th NON [37.92, -87.91], 1.1 SW MT VERNO 11/28/11 12:00 CST 11/30/11 23:59 CST	uthwest Indiana. To the winds promoted of the state of th	0 0 he fog formed shot the rapid develop  2.1 ESE NEWBUR 0 0 1 low-lying fields an 0.5 SW MT VERNO 0 0 g of low-lying fields	Dense Fog  ortly after sunset, pment of shallow dense  RGH [37.94, -87.38], 0.5 SE NEWBURGH  Flood (due to Heavy Rain) Source: River/Stream Gage  d woodlands occurred.  ON [37.93, -87.91], 0.4 S MT VERNON  Flood (due to Heavy Rain) Source: River/Stream Gage  s and woodlands occurred.
Dense fog reduced visibility to one-quemmediately after skies cleared out. Tog.  WARRICK COUNTY 0.7 S NEWBUF 37.94, -87.41]  At the Newburgh river gage, the Ohio F POSEY COUNTY 1.0 SSW MT VER 37.92, -87.90]  At the Mount Vernon river gage, the Ohio F PIKE COUNTY 0.9 NNW PETERS BUT THE STATE OF THE STATE	11/24/11 21:00 CST 11/25/11 04:00 CST  uarter mile or less across much of southe combination of clear skies and light  RGH [37.94, -87.42], 2.1 ESE NEWBURG  11/27/11 11:00 CST 11/30/11 23:59 CST  River rose above flood stage on the 27th  NON [37.92, -87.91], 1.1 SW MT VERNO  11/28/11 12:00 CST 11/30/11 23:59 CST  nio River rose above flood stage on the  URG [38.51, -87.29], 1.7 NNE PETERSE	uthwest Indiana. To the winds promoted of the state of th	0 0 he fog formed shot the rapid develop  2.1 ESE NEWBUR 0 0 1 low-lying fields an 0.5 SW MT VERNO 0 0 g of low-lying fields	Dense Fog  ortly after sunset, pment of shallow dense  RGH [37.94, -87.38], 0.5 SE NEWBURGH  Flood (due to Heavy Rain) Source: River/Stream Gage  d woodlands occurred.  ON [37.93, -87.91], 0.4 S MT VERNON  Flood (due to Heavy Rain) Source: River/Stream Gage  s and woodlands occurred.
Dense fog reduced visibility to one-question of the Newburgh river gage, the Ohio Forest County 1.0 SSW MT VERIGIA. ST.92, -87.90]  At the Mount Vernon river gage, the Ohio Forest County 1.0 SSW MT VERIGIA. ST.92, -87.90]	11/24/11 21:00 CST 11/25/11 04:00 CST  uarter mile or less across much of southe combination of clear skies and light  RGH [37.94, -87.42], 2.1 ESE NEWBURG  11/27/11 11:00 CST 11/30/11 23:59 CST  River rose above flood stage on the 27th  NON [37.92, -87.91], 1.1 SW MT VERNO  11/28/11 12:00 CST 11/30/11 23:59 CST  nio River rose above flood stage on the  URG [38.51, -87.29], 1.7 NNE PETERSE	uthwest Indiana. To the winds promoted of the state of th	0 0 he fog formed shot the rapid develop  2.1 ESE NEWBUF 0 0 0 flow-lying fields an 0.5 SW MT VERNO 0 0 g of low-lying fields	Dense Fog  Ortly after sunset, pment of shallow dense  RGH [37.94, -87.38], 0.5 SE NEWBURGH  Flood (due to Heavy Rain) Source: River/Stream Gage  d woodlands occurred.  ON [37.93, -87.91], 0.4 S MT VERNON  Flood (due to Heavy Rain) Source: River/Stream Gage  s and woodlands occurred.  SBURG [38.52, -87.26], 0.7 NNW  Flood (due to Heavy Rain)
Dense fog reduced visibility to one-question of the model of the Newburgh river gage, the Ohio FPOSEY COUNTY 1.0 SSW MT VERI [37.92, -87.90]  At the Mount Vernon river gage, the Ohio FPIKE COUNTY 0.9 NNW PETERSBU	11/24/11 21:00 CST 11/25/11 04:00 CST  uarter mile or less across much of southe combination of clear skies and light  RGH [37.94, -87.42], 2.1 ESE NEWBURG  11/27/11 11:00 CST 11/30/11 23:59 CST  River rose above flood stage on the 27th  NON [37.92, -87.91], 1.1 SW MT VERNO  11/28/11 12:00 CST 11/30/11 23:59 CST  nio River rose above flood stage on the  URG [38.51, -87.29], 1.7 NNE PETERSE	uthwest Indiana. To the winds promoted of the state of th	0 0 he fog formed shot the rapid develop  2.1 ESE NEWBUR 0 0 1 low-lying fields an 0.5 SW MT VERNO 0 0 g of low-lying fields	Dense Fog  ortly after sunset, pment of shallow dense  RGH [37.94, -87.38], 0.5 SE NEWBURGH  Flood (due to Heavy Rain) Source: River/Stream Gage  d woodlands occurred.  ON [37.93, -87.91], 0.4 S MT VERNON  Flood (due to Heavy Rain) Source: River/Stream Gage  s and woodlands occurred.
Dense fog reduced visibility to one-quimmediately after skies cleared out. Tog.  WARRICK COUNTY 0.7 S NEWBUF [37.94, -87.41]  At the Newburgh river gage, the Ohio F POSEY COUNTY 1.0 SSW MT VERI [37.92, -87.90]  At the Mount Vernon river gage, the Ohio F PIKE COUNTY 0.9 NNW PETERSBUP PETERSBURG [38.51, -87.28]	11/24/11 21:00 CST 11/25/11 04:00 CST  uarter mile or less across much of southe combination of clear skies and light  RGH [37.94, -87.42], 2.1 ESE NEWBURG  11/27/11 11:00 CST 11/30/11 23:59 CST  River rose above flood stage on the 27th  NON [37.92, -87.91], 1.1 SW MT VERNO  11/28/11 12:00 CST 11/30/11 23:59 CST  nio River rose above flood stage on the  URG [38.51, -87.29], 1.7 NNE PETERSE	uthwest Indiana. The winds promoted of the winds promoted of the winds promoted of the winds of	0 0 he fog formed shot the rapid develop  2.1 ESE NEWBUR 0 0  flow-lying fields an  0.5 SW MT VERNO 0 0 g of low-lying fields 7], 1.6 NE PETERS 0 0	Dense Fog  ortly after sunset, pment of shallow dense  RGH [37.94, -87.38], 0.5 SE NEWBURGH  Flood (due to Heavy Rain) Source: River/Stream Gage  d woodlands occurred.  ON [37.93, -87.91], 0.4 S MT VERNON  Flood (due to Heavy Rain) Source: River/Stream Gage  s and woodlands occurred.  SBURG [38.52, -87.26], 0.7 NNW  Flood (due to Heavy Rain) Source: River/Stream Gage
Dense fog reduced visibility to one-quimmediately after skies cleared out. T fog.  WARRICK COUNTY 0.7 S NEWBUF [37.94, -87.41]  At the Newburgh river gage, the Ohio F POSEY COUNTY 1.0 SSW MT VERI [37.92, -87.90]  At the Mount Vernon river gage, the Ohio PIKE COUNTY 0.9 NNW PETERSBURG [38.51, -87.28]	11/24/11 21:00 CST 11/25/11 04:00 CST  uarter mile or less across much of southe combination of clear skies and light RGH [37.94, -87.42], 2.1 ESE NEWBURG 11/27/11 11:00 CST 11/30/11 23:59 CST  River rose above flood stage on the 27th NON [37.92, -87.91], 1.1 SW MT VERNO 11/28/11 12:00 CST 11/30/11 23:59 CST  nio River rose above flood stage on the URG [38.51, -87.29], 1.7 NNE PETERSE 11/29/11 19:15 EST 11/30/11 23:59 EST	uthwest Indiana. The winds promoted of the winds promoted of the winds promoted of the winds of	0 0 he fog formed shot the rapid develop  2.1 ESE NEWBUF 0 0 0 Flow-lying fields an  0.5 SW MT VERNO 0 0 g of low-lying fields  7], 1.6 NE PETERS 0 0 onth. Very minor fields	Dense Fog  ortly after sunset, pment of shallow dense  RGH [37.94, -87.38], 0.5 SE NEWBURGH  Flood (due to Heavy Rain) Source: River/Stream Gage  d woodlands occurred.  ON [37.93, -87.91], 0.4 S MT VERNON  Flood (due to Heavy Rain) Source: River/Stream Gage  s and woodlands occurred.  SBURG [38.52, -87.26], 0.7 NNW  Flood (due to Heavy Rain) Source: River/Stream Gage
Dense fog reduced visibility to one-quimmediately after skies cleared out. T fog.  WARRICK COUNTY 0.7 S NEWBUF [37.94, -87.41]  At the Newburgh river gage, the Ohio F POSEY COUNTY 1.0 SSW MT VERI [37.92, -87.90]  At the Mount Vernon river gage, the Ohio F PIKE COUNTY 0.9 NNW PETERSBUP [38.51, -87.28]  At the Petersburg river gage, the White GIBSON COUNTY 1.8 NE HAZLET COURTY	11/24/11 21:00 CST 11/25/11 04:00 CST  uarter mile or less across much of southe combination of clear skies and light RGH [37.94, -87.42], 2.1 ESE NEWBURG 11/27/11 11:00 CST 11/30/11 23:59 CST  River rose above flood stage on the 27th NON [37.92, -87.91], 1.1 SW MT VERNO 11/28/11 12:00 CST 11/30/11 23:59 CST  nio River rose above flood stage on the URG [38.51, -87.29], 1.7 NNE PETERSE 11/29/11 19:15 EST 11/30/11 23:59 EST PRiver rose above flood stage just before the service of the stage of the service of the s	uthwest Indiana. The winds promoted of the winds promoted of the winds promoted of the winds of	0 0 he fog formed shot the rapid develop  2.1 ESE NEWBUF 0 0 0 Flow-lying fields an 0.5 SW MT VERNO 0 0 g of low-lying fields 7], 1.6 NE PETERS 0 0 onth. Very minor flow that the state of	Dense Fog  Ortly after sunset, Dement of shallow dense  RGH [37.94, -87.38], 0.5 SE NEWBURGH  Flood (due to Heavy Rain) Source: River/Stream Gage  d woodlands occurred.  ON [37.93, -87.91], 0.4 S MT VERNON  Flood (due to Heavy Rain) Source: River/Stream Gage  s and woodlands occurred.  SBURG [38.52, -87.26], 0.7 NNW  Flood (due to Heavy Rain) Source: River/Stream Gage  ooding of lowland fields occurred.  1, -87.54], 1.0 NNW HAZLETON [38.49,
Dense fog reduced visibility to one-quimmediately after skies cleared out. T fog.  WARRICK COUNTY 0.7 S NEWBUF [37.94, -87.41]  At the Newburgh river gage, the Ohio F POSEY COUNTY 1.0 SSW MT VERI [37.92, -87.90]  At the Mount Vernon river gage, the Ohio PIKE COUNTY 0.9 NNW PETERSBURG [38.51, -87.28]	11/24/11 21:00 CST 11/25/11 04:00 CST  uarter mile or less across much of southe combination of clear skies and light RGH [37.94, -87.42], 2.1 ESE NEWBURG 11/27/11 11:00 CST 11/30/11 23:59 CST  River rose above flood stage on the 27th NON [37.92, -87.91], 1.1 SW MT VERNO 11/28/11 12:00 CST 11/30/11 23:59 CST  nio River rose above flood stage on the URG [38.51, -87.29], 1.7 NNE PETERSE 11/29/11 19:15 EST 11/30/11 23:59 EST	uthwest Indiana. The winds promoted of the winds promoted of the winds promoted of the winds of	0 0 he fog formed shot the rapid develop  2.1 ESE NEWBUF 0 0 0 Flow-lying fields an  0.5 SW MT VERNO 0 0 g of low-lying fields  7], 1.6 NE PETERS 0 0 onth. Very minor fields	Dense Fog  Ortly after sunset, pment of shallow dense  RGH [37.94, -87.38], 0.5 SE NEWBURGH  Flood (due to Heavy Rain) Source: River/Stream Gage  d woodlands occurred.  ON [37.93, -87.91], 0.4 S MT VERNON  Flood (due to Heavy Rain) Source: River/Stream Gage  s and woodlands occurred.  SBURG [38.52, -87.26], 0.7 NNW  Flood (due to Heavy Rain) Source: River/Stream Gage  ooding of lowland fields occurred.

Several storm systems brought very heavy rainfall to the region during the second half of the month. Paducah, KY recorded exactly 10

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Location Date/Time Deaths & Property & Event Type and Details

Injuries Crop Dmg

inches for the month of November, which was the third highest total on record for November. The monthly total at Evansville, IN was 8.32 inches, making it the fourth wettest November. The Ohio and White Rivers went above flood stage by the end of the month.

### **KENTUCKY**, Southwest

(KY-Z001) FULTON, (KY-Z002) HICKMAN, (KY-Z003) CARLISLE, (KY-Z004) BALLARD, (KY-Z005) MCCRACKEN, (KY-Z006) GRAVES, (KY-Z007) LIVINGSTON, (KY-Z008) MARSHALL, (KY-Z009) CALLOWAY, (KY-Z010) CRITTENDEN, (KY-Z011) LYON, (KY-Z012) TRIGG, (KY-Z013) CALDWELL, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z016) HOPKINS, (KY-Z017) CHRISTIAN, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD

11/04/11 22:00 CST 0 Dense Fog

11/05/11 10:00 CST 0

Widespread dense fog reduced visibility to one-quarter mile or less. The dense fog occurred on the back side of a surface high pressure center as it retreated across the upper Ohio Valley.

(KY-Z001) FULTON, (KY-Z002) HICKMAN, (KY-Z003) CARLISLE, (KY-Z004) BALLARD, (KY-Z005) MCCRACKEN, (KY-Z006) GRAVES, (KY-Z007) LIVINGSTON, (KY-Z008) MARSHALL, (KY-Z009) CALLOWAY, (KY-Z010) CRITTENDEN, (KY-Z011) LYON, (KY-Z012) TRIGG, (KY-Z013) CALDWELL, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z016) HOPKINS, (KY-Z017) CHRISTIAN, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD

11/11/11 00:00 CST 0 Frost/Freeze

11/11/11 08:00 CST 0

The first freeze of the season brought the growing season to an end. High pressure moved east across the Mississippi Valley, accompanied by clear skies and light winds.

(KY-Z001) FULTON, (KY-Z002) HICKMAN, (KY-Z003) CARLISLE, (KY-Z004) BALLARD, (KY-Z005) MCCRACKEN, (KY-Z006) GRAVES, (KY-Z007) LIVINGSTON, (KY-Z008) MARSHALL, (KY-Z009) CALLOWAY, (KY-Z010) CRITTENDEN, (KY-Z011) LYON, (KY-Z012) TRIGG, (KY-Z013) CALDWELL, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z016) HOPKINS, (KY-Z017) CHRISTIAN, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD

11/13/11 04:00 CST 22K Strong Wind (MAX 42 kt) 11/13/11 16:00 CST 0

he pressure gradient between lower pressures in the central Plains and high pressure in the southear

The pressure gradient between lower pressures in the central Plains and high pressure in the southeast U.S. resulted in strong southwest winds. The peak wind gust was 48 mph, measured at the Henderson airport. Most peak wind gusts at other observing sites in western Kentucky were from 42 to 47 mph.

BALLARD COUNTY --- 0.9 N MONKEYS EYEBROW [37.19, -88.98]

 11/14/11 17:45 CST
 10K
 Thunderstorm Wind (EG 52 kt)

 11/14/11 17:45 CST
 0
 Source: Emergency Manager

A structure that was under construction was blown down. The structure appeared to be a wooden barn or storage building, and the walls did not appear to have been put up yet.

CRITTENDEN COUNTY --- TOLU [37.43, -88.25]

11/14/11 18:30 CST 4K Thunderstorm Wind (EG 52 kt)

11/14/11 18:30 CST 0 Source: Public

Several trees were blown down.

HENDERSON COUNTY --- 1.0 SW BASKETT [37.86, -87.48]

11/14/11 19:08 CST 10K Lightning

11/14/11 19:08 CST 0 Source: Emergency Manager

Lightning struck a vacant house on U.S. Highway 60, starting a fire. The fire was mainly confined to the outside walls of the house.

Thunderstorms gradually increased in coverage and intensity during the afternoon along a weakly convergent cold front moving through the area. The warm sector air mass was characterized by temperatures in the mid to upper 70's, dew points in the lower 60's, and mixed-layer cape values of 1000 to 1500 j/kg. Very strong deep layer wind shear promoted organized storm structures. A bowing line segment that raced east-northeast across southern Illinois clipped Ballard County, KY, where there was isolated wind damage.

UNION COUNTY --- UNIONTOWN [37.77, -87.93]

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	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	11/21/11 00:10 CST		0	Hail (1.00 in)
	11/21/11 00:10 CST		0	Source: Trained Spotter
ALLOWAY COUNTY PENNY [36.65,	-88.35]			
	11/21/11 00:45 CST		0	Hail (0.75 in)
	11/21/11 00:45 CST		0	Source: Public
here were a couple of reports of dime-si	ize hail.			
olated thunderstorms with large hail d astern Arkansas. The storms were elev		<del>-</del>		estern Kentucky into
KY-Z001) FULTON, (KY-Z002) HICKMAI IVINGSTON, (KY-Z008) MARSHALL, (K KY-Z014) UNION, (KY-Z015) WEBSTER,	(Y-Z009) CALLOWAY, (KY-Z010) CRI , (KY-Z016) HOPKINS, (KY-Z017) CH	ITTENDEN, (KY-Z	)11) LYON, (KY-Z0	12) TRIGG, (KY-Z013) CALDWELL,
ICLEAN, (KY-Z021) MUHLENBERG, (K	<b>Y-Z022) TODD</b> 11/24/11 20:00 CST		0	Dense Fog
	11/25/11 04:00 CST		0	Defise Fog
(Y-Z001) FULTON	11/29/11 05:45 CST		0	Heavy Snow
	11/29/11 05:45 CST 11/29/11 10:45 CST		0	Heavy Snow
KY-Z002) HICKMAN, (KY-Z003) CARLIS		MCCRACKEN, (M		
(Y-Z002) HICKMAN, (KY-Z003) CARLIS	11/29/11 05:45 CST	MCCRACKEN, (M	0	(KY-Z007) LIVINGSTON Winter Weather
	11/29/11 05:45 CST 11/29/11 11:45 CST		0	Winter Weather
(KY-Z002) HICKMAN, (KY-Z003) CARLIS  A narrow band of heavy snow, accompa western Kentucky. For a few hours, visi surface temperatures at or near freezing were 12 to 15 accidents in Hickman Cou Highway 60 in Ballard County. Snowfall County) and Wickliffe (Ballard County), (Fulton County). Somewhat lesser amou intense snow band occurred in associat Kentucky.	11/29/11 05:45 CST 11/29/11 11:45 CST anied by thunder and lightning, because ibility fell below one-half mile as snot g, roads became covered with snow unty. In Ballard County, a school but amounts included: 2 inches at Band 3 inches at LaCenter (Ballard Counturts from 1 to 2 inches occurred in 1	ame nearly station owfall rates average and slush. Nume s slid off the road dana and Kevil (b ty) and Burna (Liv far western parts	0 0 nary over the Missiged around an incl rous accidents we At least two tract oth in Ballard Cou ingston County), a of McCracken and	Winter Weather  issippi River counties of n per hour. Despite ore reported. There or-trailer rigs slid off U.S. nty), 4 inches at Fulton (Fulton and 2 inches at Hickman Graves Counties. The
A narrow band of heavy snow, accompanyestern Kentucky. For a few hours, vision for the property of the propert	11/29/11 05:45 CST 11/29/11 11:45 CST anied by thunder and lightning, beca ibility fell below one-half mile as sno g, roads became covered with snow unty. In Ballard County, a school bus amounts included: 2 inches at Band 3 inches at LaCenter (Ballard Count unts from 1 to 2 inches occurred in 1 tion with a strong upper-level low as	ame nearly station owfall rates average and slush. Nume s slid off the road dana and Kevil (b ty) and Burna (Liv far western parts s it lifted northeas	0 0 nary over the Missiged around an includer rous accidents we At least two tract oth in Ballard Cou ingston County), a of McCracken and t from Middle Ten	Winter Weather  issippi River counties of n per hour. Despite ore reported. There or-trailer rigs slid off U.S. nty), 4 inches at Fulton (Fulton and 2 inches at Hickman Graves Counties. The
A narrow band of heavy snow, accompayestern Kentucky. For a few hours, visiourface temperatures at or near freezing overe 12 to 15 accidents in Hickman Coulighway 60 in Ballard County. Snowfall county) and Wickliffe (Ballard County), Fulton County). Somewhat lesser amountense snow band occurred in association (Centucky.	11/29/11 05:45 CST 11/29/11 11:45 CST anied by thunder and lightning, beca ibility fell below one-half mile as sno g, roads became covered with snow unty. In Ballard County, a school bus amounts included: 2 inches at Band 3 inches at LaCenter (Ballard Count unts from 1 to 2 inches occurred in 1 tion with a strong upper-level low as	ame nearly station owfall rates average and slush. Nume s slid off the road dana and Kevil (b ty) and Burna (Liv far western parts s it lifted northeas	0 0 nary over the Missiged around an includer rous accidents we At least two tract oth in Ballard Cou ingston County), a of McCracken and t from Middle Ten	Winter Weather issippi River counties of n per hour. Despite are reported. There or-trailer rigs slid off U.S. nty), 4 inches at Fulton (Fulton and 2 inches at Hickman Graves Counties. The nessee toward eastern
A narrow band of heavy snow, accompayestern Kentucky. For a few hours, visiourface temperatures at or near freezing overe 12 to 15 accidents in Hickman Coulighway 60 in Ballard County. Snowfall county) and Wickliffe (Ballard County), Fulton County). Somewhat lesser amountense snow band occurred in association (Centucky.	11/29/11 05:45 CST 11/29/11 11:45 CST  anied by thunder and lightning, beca ibility fell below one-half mile as sno g, roads became covered with snow unty. In Ballard County, a school bus amounts included: 2 inches at Band 3 inches at LaCenter (Ballard Count unts from 1 to 2 inches occurred in 1 tion with a strong upper-level low as	ame nearly station owfall rates average and slush. Nume s slid off the road dana and Kevil (b ty) and Burna (Liv far western parts s it lifted northeas	0 0 nary over the Missiged around an include accidents we at least two tract oth in Ballard Couingston County), a of McCracken and at from Middle Ten	Winter Weather  issippi River counties of n per hour. Despite ore reported. There or-trailer rigs slid off U.S. nty), 4 inches at Fulton (Fulton and 2 inches at Hickman Graves Counties. The nessee toward eastern  [37.29, -86.99], 1.1 N PARADISE [37.29,
A narrow band of heavy snow, accompanyestern Kentucky. For a few hours, visionarian temperatures at or near freezing were 12 to 15 accidents in Hickman County. Snowfall County) and Wickliffe (Ballard County), Fulton County). Somewhat lesser amountense snow band occurred in associationarian temperature.  MUHLENBERG COUNTY PARADISE [86.98]	11/29/11 05:45 CST 11/29/11 11:45 CST  anied by thunder and lightning, beca ibility fell below one-half mile as sno g, roads became covered with snow unty. In Ballard County, a school bus amounts included: 2 inches at Band 3 inches at LaCenter (Ballard Count unts from 1 to 2 inches occurred in 1 tion with a strong upper-level low as  [37.27, -86.98], 0.3 WSW PARADISE  11/29/11 16:00 CST 11/30/11 23:59 CST	ame nearly station owfall rates average and slush. Nume is slid off the road dana and Kevil (bity) and Burna (Liv far western parts is it lifted northeas	o o o o o o o o o o o o o o o o o o o	issippi River counties of in per hour. Despite or reported. There or-trailer rigs slid off U.S. inty), 4 inches at Fulton (Fulton and 2 inches at Hickman Graves Counties. The inessee toward eastern  [37.29, -86.99], 1.1 N PARADISE [37.29, Flood (due to Heavy Rain) Source: River/Stream Gage
A narrow band of heavy snow, accompany estern Kentucky. For a few hours, vision surface temperatures at or near freezing evere 12 to 15 accidents in Hickman Counting the surface of the surface of the surface temperatures at or near freezing evere 12 to 15 accidents in Hickman County) and Wickliffe (Ballard County), Fulton County). Somewhat lesser amountense snow band occurred in association (Centucky).  MUHLENBERG COUNTY PARADISE (86.98)	11/29/11 05:45 CST 11/29/11 11:45 CST  anied by thunder and lightning, beca ibility fell below one-half mile as sno g, roads became covered with snow unty. In Ballard County, a school bus amounts included: 2 inches at Band 3 inches at LaCenter (Ballard Count unts from 1 to 2 inches occurred in 1 tion with a strong upper-level low as  [37.27, -86.98], 0.3 WSW PARADISE  11/29/11 16:00 CST 11/30/11 23:59 CST  on the Paradise river gage on the 29th	ame nearly station owfall rates average and slush. Nume solid off the road dana and Kevil (bity) and Burna (Liviar western parts is it lifted northeas [37.27, -86.99], 1.2	o o o o o o o o o o o o o o o o o o o	Winter Weather  issippi River counties of in per hour. Despite ire reported. There or-trailer rigs slid off U.S. inty), 4 inches at Fulton (Fulton and 2 inches at Hickman Graves Counties. The inessee toward eastern  [37.29, -86.99], 1.1 N PARADISE [37.29, Flood (due to Heavy Rain) Source: River/Stream Gage ok place.
A narrow band of heavy snow, accompanyestern Kentucky. For a few hours, visiourface temperatures at or near freezing were 12 to 15 accidents in Hickman Couldighway 60 in Ballard County. Snowfall County) and Wickliffe (Ballard County), Fulton County). Somewhat lesser amountense snow band occurred in association (Centucky).  MUHLENBERG COUNTY PARADISE (86.98)  The Green River rose above flood stage of UNION COUNTY 0.8 WNW UNIONTOW	11/29/11 05:45 CST 11/29/11 11:45 CST  anied by thunder and lightning, beca ibility fell below one-half mile as sno g, roads became covered with snow unty. In Ballard County, a school bus amounts included: 2 inches at Band 3 inches at LaCenter (Ballard Count) unts from 1 to 2 inches occurred in 1 tion with a strong upper-level low as  [37.27, -86.98], 0.3 WSW PARADISE  11/29/11 16:00 CST 11/30/11 23:59 CST  on the Paradise river gage on the 29th  WN [37.78, -87.94], 1.9 NNE UNIONTO	ame nearly station owfall rates average and slush. Nume solid off the road dana and Kevil (bity) and Burna (Liviar western parts is it lifted northeas [37.27, -86.99], 1.2	o o o o o o o o o o o o o o o o o o o	Winter Weather  issippi River counties of in per hour. Despite ore reported. There or-trailer rigs slid off U.S. inty), 4 inches at Fulton (Fulton and 2 inches at Hickman Graves Counties. The inessee toward eastern  [37.29, -86.99], 1.1 N PARADISE [37.29, Flood (due to Heavy Rain) Source: River/Stream Gage ok place.
A narrow band of heavy snow, accompanyestern Kentucky. For a few hours, visionaria to the properties of the properties o	11/29/11 05:45 CST 11/29/11 11:45 CST  anied by thunder and lightning, beca ibility fell below one-half mile as sno g, roads became covered with snow unty. In Ballard County, a school bus amounts included: 2 inches at Band 3 inches at LaCenter (Ballard Count) unts from 1 to 2 inches occurred in 10 tion with a strong upper-level low as  [37.27, -86.98], 0.3 WSW PARADISE  11/29/11 16:00 CST 11/30/11 23:59 CST  on the Paradise river gage on the 29th WN [37.78, -87.94], 1.9 NNE UNIONTO 11/30/11 09:00 CST	ame nearly station owfall rates average and slush. Nume solid off the road dana and Kevil (bity) and Burna (Liviar western parts is it lifted northeas [37.27, -86.99], 1.2	0 0 nary over the Missiged around an inclication accidents we at least two traction in Ballard Country), a of McCracken and t from Middle Tender 2 NNW PARADISE 0 0 f low-lying fields to	Winter Weather  issippi River counties of in per hour. Despite ore reported. There or-trailer rigs slid off U.S. inty), 4 inches at Fulton (Fulton and 2 inches at Hickman Graves Counties. The inessee toward eastern  [37.29, -86.99], 1.1 N PARADISE [37.29, Flood (due to Heavy Rain) Source: River/Stream Gage ok place.  TOWN [37.79, -87.92], 0.6 NNW Flood (due to Heavy Rain)
A narrow band of heavy snow, accompa western Kentucky. For a few hours, visi surface temperatures at or near freezing were 12 to 15 accidents in Hickman Cou Highway 60 in Ballard County. Snowfall County) and Wickliffe (Ballard County), Fulton County). Somewhat lesser amountense snow band occurred in associat Kentucky.	11/29/11 05:45 CST 11/29/11 11:45 CST  anied by thunder and lightning, beca ibility fell below one-half mile as sno g, roads became covered with snow unty. In Ballard County, a school bus amounts included: 2 inches at Band 3 inches at LaCenter (Ballard Count) unts from 1 to 2 inches occurred in 1 tion with a strong upper-level low as  [37.27, -86.98], 0.3 WSW PARADISE  11/29/11 16:00 CST 11/30/11 23:59 CST  on the Paradise river gage on the 29th  WN [37.78, -87.94], 1.9 NNE UNIONTO	ame nearly station owfall rates average and slush. Nume solid off the road dana and Kevil (bity) and Burna (Liviar western parts is it lifted northeas [37.27, -86.99], 1.2	o o o o o o o o o o o o o o o o o o o	Winter Weather  issippi River counties of in per hour. Despite ore reported. There or-trailer rigs slid off U.S. inty), 4 inches at Fulton (Fulton and 2 inches at Hickman Graves Counties. The inessee toward eastern  [37.29, -86.99], 1.1 N PARADISE [37.29, Flood (due to Heavy Rain) Source: River/Stream Gage ok place.
A narrow band of heavy snow, accompanyestern Kentucky. For a few hours, vision urface temperatures at or near freezing vere 12 to 15 accidents in Hickman Coulighway 60 in Ballard County. Snowfall County) and Wickliffe (Ballard County), Fulton County). Somewhat lesser amountense snow band occurred in association (Centucky).  MUHLENBERG COUNTY PARADISE (B6.98)  The Green River rose above flood stage of	11/29/11 05:45 CST 11/29/11 11:45 CST  anied by thunder and lightning, beca ibility fell below one-half mile as sno g, roads became covered with snow unty. In Ballard County, a school bus amounts included: 2 inches at Band 3 inches at LaCenter (Ballard Count) unts from 1 to 2 inches occurred in 1 tion with a strong upper-level low as  [37.27, -86.98], 0.3 WSW PARADISE  11/29/11 16:00 CST 11/30/11 23:59 CST  On the Paradise river gage on the 29th  WN [37.78, -87.94], 1.9 NNE UNIONTO  11/30/11 09:00 CST 11/30/11 23:59 CST	ame nearly station owfall rates average and slush. Nume is slid off the road dana and Kevil (bity) and Burna (Livitar western parts is it lifted northeas [37.27, -86.99], 1.2 h. Minor flooding of the company of the c	o o o o o o o o o o o o o o o o o o o	Winter Weather  issippi River counties of in per hour. Despite ore reported. There or-trailer rigs slid off U.S. inty), 4 inches at Fulton (Fulton and 2 inches at Hickman Graves Counties. The inessee toward eastern  [37.29, -86.99], 1.1 N PARADISE [37.29, Flood (due to Heavy Rain) Source: River/Stream Gage ok place.  TOWN [37.79, -87.92], 0.6 NNW Flood (due to Heavy Rain) Source: River/Stream Gage

inches, making it the fourth wettest November. A couple of rivers in western Kentucky went above flood stage by the end of the month.

MISSOURI, Southeast

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(MO-Z076) PERRY, (MO-Z086) BOLLINGI	ER, (MO-Z087) CAPE GIRARDEAU,	(MO-Z100) WAYN	E, (MO-Z109) BUTI	LER, (MO-Z110) STODDARD,
(MO-Z111) SCOTT, (MO-Z112) MISSISSIF				
	11/04/11 22:00 CST		0	Dense Fog
	11/05/11 10:00 CST		0	
Widespread dense fog reduced visibility back side of a surface high pressure cer			othills. The dense	e fog occurred on the
BUTLER COUNTY POPLAR BLUFF [3	6.75, -90.40]			
	11/08/11 19:10 CST		0	Heavy Rain
	11/08/11 21:10 CST		0	Source: Unknown
Low-lying street flooding was reported in F for the day was 2.44 inches at the airport.	Poplar Bluff. At the Poplar Bluff airpor	rt, nearly 1.5 inche	s of rain was meas	sured in three hours. The rainfall total
The mean atmospheric flow became sou southwest flow allowed abundant moist hunderstorms occurred, including some MO-Z076) PERRY, (MO-Z086) BOLLING	ure to stream across the region dire e with very heavy rainfall.	ectly from the Pac	ific Ocean. Showe	ers and a few isolated
BUTLER, (MO-Z110) STODDARD, (MO-Z		PI, (MO-Z114) NEV		[
	11/11/11 00:00 CST		0	Frost/Freeze
	11/11/11 08:00 CST		0	
BUTLER, (MO-Z110) STODDARD, (MO-Z <sup>.</sup>	111) SCOTT, (MO-Z112) MISSISSIPF 11/13/11 04:00 CST 11/13/11 16:00 CST	PI, (MO-Z114) NEV	/ <b>MADRID</b> 11K 0	Strong Wind (MAX 39 kt)
<del>-</del> 1				. W. Mariana
			e southeast U.S. re	esulted in strong
southwest winds. Peak wind gusts at air	port observing sites in southeast N		e southeast U.S. re	esulted in strong
southwest winds. Peak wind gusts at air	port observing sites in southeast N		e southeast U.S. re	esulted in strong  Thunderstorm Wind (MG 54 kt)
southwest winds. Peak wind gusts at air	port observing sites in southeast N PE GIRARDEAU [37.23, -89.57]		e southeast U.S. re	
southwest winds. Peak wind gusts at air	PE GIRARDEAU [37.23, -89.57] 11/14/11 16:58 CST 11/14/11 16:58 CST	fissouri were nea	e southeast U.S. re 45 mph. 5K 0	Thunderstorm Wind (MG 54 kt) Source: ASOS
CAPE GIRARDEAU COUNTY (CGI)CA  A wind gust to 62 mph was measured by t	PE GIRARDEAU [37.23, -89.57] 11/14/11 16:58 CST 11/14/11 16:58 CST the Cape Girardeau airport automate	fissouri were nea	e southeast U.S. re 45 mph. 5K 0	Thunderstorm Wind (MG 54 kt) Source: ASOS
CAPE GIRARDEAU COUNTY (CGI)CA  A wind gust to 62 mph was measured by t	PE GIRARDEAU [37.23, -89.57] 11/14/11 16:58 CST 11/14/11 16:58 CST the Cape Girardeau airport automate	fissouri were nea	e southeast U.S. re 45 mph. 5K 0	Thunderstorm Wind (MG 54 kt) Source: ASOS
southwest winds. Peak wind gusts at air  CAPE GIRARDEAU COUNTY (CGI)CA  A wind gust to 62 mph was measured by t	PE GIRARDEAU [37.23, -89.57] 11/14/11 16:58 CST 11/14/11 16:58 CST the Cape Girardeau airport automate	fissouri were nea	e southeast U.S. re 45 mph.  5K 0  n. There was a rep	Thunderstorm Wind (MG 54 kt) Source: ASOS ort of minor window and door damage.
The pressure gradient between lower presouthwest winds. Peak wind gusts at air  CAPE GIRARDEAU COUNTY (CGI)CA  A wind gust to 62 mph was measured by the surface of the	PE GIRARDEAU [37.23, -89.57] 11/14/11 16:58 CST 11/14/11 16:58 CST he Cape Girardeau airport automate  BLUFF [36.73, -90.45] 11/14/11 17:32 CST 11/14/11 17:32 CST	fissouri were nea	5K 0 n. There was a rep	Thunderstorm Wind (MG 54 kt) Source: ASOS Fort of minor window and door damage.  Hail (1.00 in)
CAPE GIRARDEAU COUNTY (CGI)CA  A wind gust to 62 mph was measured by t  BUTLER COUNTY 3.1 WSW POPLAR  Quarter-sized hail fell near the junction of  Thunderstorms gradually increased in c through the area. The warm sector air m and mixed-layer cape values of 1000 to 2	PE GIRARDEAU [37.23, -89.57] 11/14/11 16:58 CST 11/14/11 16:58 CST the Cape Girardeau airport automate  BLUFF [36.73, -90.45] 11/14/11 17:32 CST 11/14/11 17:32 CST U.S. Highway 67 and Highway M.  Overage and intensity during the afass was characterized by temperatil500 j/kg. Very strong deep layer w	d observing syster ternoon along a vures in the mid to	e southeast U.S. re 45 mph.  5K 0  n. There was a rep 0 0 0 reakly convergent upper 70's, dew ped organized storr	Thunderstorm Wind (MG 54 kt) Source: ASOS Fort of minor window and door damage.  Hail (1.00 in) Source: Trained Spotter  cold front moving points in the lower 60's, m structures. A bowing
CAPE GIRARDEAU COUNTY (CGI)CA  A wind gust to 62 mph was measured by t  BUTLER COUNTY 3.1 WSW POPLAR  Quarter-sized hail fell near the junction of  Thunderstorms gradually increased in c through the area. The warm sector air m and mixed-layer cape values of 1000 to 1 line segment organized east of Poplar B	PE GIRARDEAU [37.23, -89.57] 11/14/11 16:58 CST 11/14/11 16:58 CST the Cape Girardeau airport automate  BLUFF [36.73, -90.45] 11/14/11 17:32 CST 11/14/11 17:32 CST U.S. Highway 67 and Highway M.  Overage and intensity during the afass was characterized by temperat 1500 j/kg. Very strong deep layer woluff, then produced isolated wind dispersion.	d observing syster ternoon along a v ures in the mid to rind shear promot amage as it move	e southeast U.S. re 45 mph.  5K 0  n. There was a rep 0 0 0 reakly convergent upper 70's, dew ped organized storrd toward the Missi	Thunderstorm Wind (MG 54 kt) Source: ASOS Fort of minor window and door damage.  Hail (1.00 in) Source: Trained Spotter  cold front moving points in the lower 60's, m structures. A bowing lissippi River.
CAPE GIRARDEAU COUNTY (CGI)CA  A wind gust to 62 mph was measured by t  BUTLER COUNTY 3.1 WSW POPLAR  Quarter-sized hail fell near the junction of  Thunderstorms gradually increased in c through the area. The warm sector air m and mixed-layer cape values of 1000 to 1 line segment organized east of Poplar B	PE GIRARDEAU [37.23, -89.57] 11/14/11 16:58 CST 11/14/11 16:58 CST he Cape Girardeau airport automate  BLUFF [36.73, -90.45] 11/14/11 17:32 CST 11/14/11 17:32 CST U.S. Highway 67 and Highway M.  overage and intensity during the af ass was characterized by temperat 1500 j/kg. Very strong deep layer w luff, then produced isolated wind direction.	d observing syster ternoon along a v ures in the mid to rind shear promot amage as it move	e southeast U.S. re 45 mph.  5K 0  n. There was a rep 0 0 0 reakly convergent upper 70's, dew ped organized storred toward the Missi	Thunderstorm Wind (MG 54 kt) Source: ASOS Fort of minor window and door damage.  Hail (1.00 in) Source: Trained Spotter  cold front moving points in the lower 60's, m structures. A bowing issippi River.
SOUTHWEST WINDS. Peak wind gusts at air  CAPE GIRARDEAU COUNTY (CGI)CA  A wind gust to 62 mph was measured by t  BUTLER COUNTY 3.1 WSW POPLAR	PE GIRARDEAU [37.23, -89.57] 11/14/11 16:58 CST 11/14/11 16:58 CST the Cape Girardeau airport automate  BLUFF [36.73, -90.45] 11/14/11 17:32 CST 11/14/11 17:32 CST U.S. Highway 67 and Highway M.  Overage and intensity during the afass was characterized by temperat 1500 j/kg. Very strong deep layer woluff, then produced isolated wind dispersion.	d observing syster ternoon along a v ures in the mid to rind shear promot amage as it move	e southeast U.S. re 45 mph.  5K 0  n. There was a rep 0 0 0 reakly convergent upper 70's, dew ped organized storrd toward the Missi	Thunderstorm Wind (MG 54 kt) Source: ASOS Fort of minor window and door damage.  Hail (1.00 in) Source: Trained Spotter  cold front moving points in the lower 60's, m structures. A bowing lissippi River.

(MO-Z086) BOLLINGER, (MO-Z100) WAYNE, (MO-Z107) CARTER, (MO-Z108) RIPLEY, (MO-Z109) BUTLER, (MO-Z110) STODDARD 11/28/11 18:00 CST

11/29/11 06:00 CST

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Winter Weather

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(MO-Z114) NEW MADRID				
	11/28/11 18:00 CST		0	Heavy Snow
	11/29/11 08:00 CST		0	

Areas of moderate to heavy snow occurred over parts of southeast Missouri, mainly west of a line from Marble Hill to New Madrid. Snow and slush accumulated on roadways despite surface temperatures near freezing. Six inches of snow was the highest amount, which occurred in New Madrid County at Gideon. Two inches of snow accumulated at Ellsinore (in Carter County) and seven miles northwest of Poplar Bluff. A trained spotter in Stoddard County reported two inches of snow eight miles west of Dexter. A few cars were sliding off roads in Bollinger County. The snow occurred in association with a strong upper-level low as it lifted northeast across the Tennessee Valley.

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